

MEDICAL LABORATORY ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: Laboratoires CDL

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SCC File Number:	151059
Provider:	BNQ-EL
Provider File Number:	53286-1
Accreditation Standard(s):	ISO 15189:2012, Medical laboratories – Requirements for quality and competence
Program Specialty Area:	Medical
Initial Accreditation:	2017-12-21
Most Recent Accreditation:	2023-05-12
Accreditation Valid to:	2025-12-21
Medical Principal Disciplines:	See below

*Remarque: La présente portée d'accréditation existe également en français, celle-ci est publiée séparément.
Note: This scope of accreditation is also available in French as a separately issued document.*

SCOPE OF ACCREDITATION

01.0 BIOCHEMISTRY

- 01.1 BIOCHEMISTRY – CLINICAL
- 01.2 BIOCHEMISTRY – IMMUNOLOGY
- 01.3 BIOCHEMISTRY – MEDICATION
- 01.4 BIOCHEMISTRY – TOXICOLOGY
- 01.5 BIOCHEMISTRY – SEROLOGY

02.0 MOLECULAR BIOLOGY

- 02.1 MOLECULAR DIAGNOSIS – INFECTIOUS DISEASES

03.0 HEMATOLOGY

- 03.1 HEMATOLOGY – GENERAL
- 03.2 HEMATOLOGY – HEMOSTASIS

04.0 TRANSFUSION MEDICINE

- 04.1 BLOOD BANK

05.0 PARASITOLOGY

06.0 CYTOLOGY

DETAILS OF SCOPE OF ACCREDITATION

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
01.0 BIOCHEMISTRY	01.1 Biochemistry – clinical	Albumin	Colorimetric	Serum
	01.1 Biochemistry – clinical	ALT (GPT, SGPT)	Enzymatic IFCC	Serum
	01.1 Biochemistry – clinical	AST (GOT, SGOT)	Enzymatic IFCC	Serum
	01.1 Biochemistry – clinical	Alkaline Phosphatase	Colorimetric	Serum
	01.1 Biochemistry – clinical	Amylase	Colorimetric	Serum
	01.1 Biochemistry – clinical	Antistreptolysin	Turbidimetric	Serum
	01.1 Biochemistry – clinical	Apolipoproteine A-1	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Apolipoproteine B	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	B-HCG qualitative	Immunoassay	Urine
	01.1 Biochemistry – clinical	Bicarbonate	Electrochemical and optical	Whole blood

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	01.1 Biochemistry – clinical	C3 Complement	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	C4 Complement	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Calcium	Photometric	Serum
	01.1 Biochemistry – clinical	Calprotectin	« PETIA »_ Particle enhanced turbidimetric immunoassay	Stool
	01.1 Biochemistry – clinical	Chloride	ISE_Direct	Serum
	01.1 Biochemistry – clinical	Cholesterol, Total	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	C-Reactive Protein	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	C-Reactive Protein (HS)	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Creatine Kinase (CPK)	Photometric_UV	Serum
	01.1 Biochemistry – clinical	Creatinine	Jaffe: Colorimetric Kinetic	Serum
	01.1 Biochemistry – clinical	Cystatine C	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Direct Bilirubin	Colorimetric_Diazo	Serum
	01.1 Biochemistry – clinical	Fructosamine	Colorimetric	Serum
	01.1 Biochemistry – clinical	GGT	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	Glucose	Enzymatic UV	Serum
	01.1 Biochemistry – clinical	H2 Breath Test, D-Xylose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, D-Fructose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Galactose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Glucose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Lactose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Lactulose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Maltose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Mannitol	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Sorbitol	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Sucrose	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	H2 Breath Test, Xylitol	Solid-State Sensor	Expired air
	01.1 Biochemistry – clinical	HbA1C	HPLC	Whole blood
	01.1 Biochemistry – clinical	HDL Cholesterol	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	Homocysteine	Enzymatic	Serum
	01.1 Biochemistry – clinical	H. Pylori Breath Test	Nondispersive infrared spectroscopy (NDIRS)	Expired air
	01.1 Biochemistry – clinical	Immunoglobulins A	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Immunoglobulins G	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Immunoglobulins M	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Ionized Calcium	Electrochemical and optical	Whole blood

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	01.1 Biochemistry – clinical	LDH	Enzymatic UV	Serum
	01.1 Biochemistry – clinical	LDL Cholesterol Direct	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	Lipase	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	Lp (a)	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Magnesium	Colorimetric	Serum
	01.1 Biochemistry – clinical	Microalbumin	Immunoturbidimetric	Urine
	01.1 Biochemistry – clinical	Occult blood	Immunological_Agglutination (Ac-Ag)	Stool
	01.1 Biochemistry – clinical	Phosphate	Photometric	Serum
	01.1 Biochemistry – clinical	Potassium	ISE_Direct	Serum
	01.1 Biochemistry – clinical	Prealbumin	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Sodium	ISE_Direct	Serum
	01.1 Biochemistry – clinical	Spermogramme	Microscopy	Sperm
	01.1 Biochemistry – clinical	Total Bilirubin	Diazo	Serum
	01.1 Biochemistry – clinical	Total Iron	Colorimetric	Serum
	01.1 Biochemistry – clinical	Total Protein	Colorimetric	Serum
	01.1 Biochemistry – clinical	Total Protein	Turbidimetric	Urine
	01.1 Biochemistry – clinical	Transferrin	Immunoturbidimetric	Serum
	01.1 Biochemistry – clinical	Triglycerides	Colorimetric Enzymatic	Serum
	01.1 Biochemistry – clinical	UIBC	Ferrozine	Serum
	01.1 Biochemistry – clinical	Urea	Kinetic_Photometry	Serum
	01.1 Biochemistry – clinical	Uric Acid	Enzymatic_Colorimetric	Serum
	01.1 Biochemistry – clinical	Urinalysis	Depends on analyte	Urine
	01.2 Biochemistry – immunology	Alpha Fetoprotein	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Anti-Gliadins IgA	ELISA	Serum
	01.2 Biochemistry – immunology	Anti-Nuclear Ab	ELISA	Serum
	01.2 Biochemistry – immunology	Anti-TPO	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Anti-Transglutaminase IgA	ELISA	Serum
	01.2 Biochemistry – immunology	BHCG	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	C19-9	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	CA-125	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Carcino-Embryonic Antigen	« ECLIA »_ Electrochemiluminescence	Serum

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	01.2 Biochemistry – immunology	Cortisol	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	DHEA-S	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Estradiol (E2)	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Ferritin	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Folic Acid	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Free PSA	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Free T3	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Free T4	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Free Testosterone	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	FSH	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Insulin	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Immunoglobuline E	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	LH	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Parvovirus Ab	ELISA	Serum
	01.2 Biochemistry – immunology	Pro BNP	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Progesterone	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Prolactin	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	PTH	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Rheumatoid Factor	Immunoturbidimetric	Serum
	01.2 Biochemistry – immunology	SHBG	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Thyroglobulin Ab	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Total PSA	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Total Testosterone	« ECLIA »_ Electrochemiluminescence	Serum

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	01.2 Biochemistry – immunology	Troponin T HS	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	TSH	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Varicella-Zoster IgG	ELISA	Serum
	01.2 Biochemistry – immunology	Vitamin B12	« ECLIA »_ Electrochemiluminescence	Serum
	01.2 Biochemistry – immunology	Vitamin D: 25-OH	« ECLIA »_ Electrochemiluminescence	Serum
	01.3 Biochemistry – medication	Carbamazepine	Immuno-Dosage_KIMS	Serum
	01.3 Biochemistry – medication	Lithium	Colorimetric	Serum
	01.3 Biochemistry – medication	Phenytoin (dilantin)	KIMS	Serum
	01.3 Biochemistry – medication	Valproic Acid (epival)	Immuno- Enzymatic	Serum
	01.4 Biochemistry – toxicology	Amphetamine	KIMS	Urine
	01.4 Biochemistry – toxicology	Barbiturate	KIMS	Urine
	01.4 Biochemistry – toxicology	Benzodiazepine	KIMS	Urine
	01.4 Biochemistry – toxicology	Cannabis	KIMS	Urine
	01.4 Biochemistry – toxicology	Cocaine	KIMS	Urine
	01.4 Biochemistry – toxicology	Ethanol	Enzymatic	Serum /Urine
	01.4 Biochemistry – toxicology	Opiates	KIMS	Urine
	01.4 Biochemistry – toxicology	Phencyclidine	KIMS	Urine
	01.5 Biochemistry – serology	Cytomegalovirus IgG	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Anti-SARS-CoV-2 Spike	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Anti-SARS-CoV-2 Nucleotide	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HBcAb (Core Ab Total)	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HBsAb (Surface Ab)	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HBsAg (Surface Ag)	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HBsAg Confirmation	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Hepatitis A IgM	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Hepatitis A Total	« ECLIA »_ Electrochemiluminescence	Serum

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	01.5 Biochemistry – serology	Hepatitis C Ab	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Herpes Serum Type 1 IgG	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Herpes Serum Type 2 IgG	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HIV 1 & 2	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	HTLV 1 & 2	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Monotest	Agglutination (Ab-Ag)	Serum
	01.5 Biochemistry – serology	RPR	Flocculation Test	Serum
	01.5 Biochemistry – serology	Rubella IgG	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Strep A Rapide	Ag/Ab Reaction	Biological sample
	01.5 Biochemistry – serology	Syphilis (EIA)	« ECLIA »_ Electrochemiluminescence	Serum
	01.5 Biochemistry – serology	Toxoplasmosis IgG	« ECLIA »_ Electrochemiluminescence	Serum
02.0 MOLECULAR BIOLOGY	02.1 Molecular diagnosis – infectious diseases	Bordetella Pertussis	Helicase-dependant amplification (HDA)	Biological sample
	02.1 Molecular diagnosis – infectious diseases	C. Difficile	Helicase-dependant amplification (HDA)	Stool
	02.1 Molecular diagnosis – infectious diseases	Chlamydia	PCR	Biological sample
	02.1 Molecular diagnosis – infectious diseases	COVID-19	PCR	Biological sample
	02.1 Molecular diagnosis – infectious diseases	Gonorrhea	PCR	Biological sample
	02.1 Molecular diagnosis – infectious diseases	Herpes Serum Type 1 & 2	Helicase-dependant amplification (HDA)	Biological sample
	02.1 Molecular diagnosis – infectious diseases	Human Papilloma Virus	PCR	Biological sample
	02.1 Molecular diagnosis – infectious diseases	Strep A,C,G	Helicase-dependant amplification (HDA)	Biological sample
	02.1 Molecular diagnosis – infectious diseases	Trichomonas vaginali	Helicase-dependant amplification (HDA)	Biological sample
03.0 HEMATOLOGY	03.1 Hematology – General	CBC	Flow cytometry	Whole blood
	03.1 Hematology – General	Reticulocytes	Flow cytometry / Laser semi-conductor	Whole blood
	03.1 Hematology – General	Sedimentation rate	Wintrobe	Whole blood

Discipline	Sub-discipline	Analytical parameter	Analytical principle	Matrix (sample)
	03.2 Hematology – hemostasis	D-Dimer	Immunoturbidimetry	Plasma
	03.2 Hematology – hemostasis	Fibrinogen	Claus Method	Plasma
	03.2 Hematology – hemostasis	PT (Quick Time)	Absorbance/Turbidimetry	Plasma
	03.2 Hematology – hemostasis	PTT	Absorbance/Turbidimetry	Plasma
04.0 TRANSFUSION MEDICINE	04.1 Blood Bank	ABO Blood Grouping	Agglutination	Whole blood
	04.1 Blood Bank	Antibody Screen	Agglutination	Plasma
	04.1 Blood Bank	Coombs, Direct	Agglutination	RBC
	04.1 Blood Bank	Rh Phenotype	Agglutination	Whole blood
05.0 PARASITOLOGY	N.A.	Malaria	Microscopy	Smear
	N.A.	Ova & Parasites	Microscopy	Stool
06.0 CYTOLOGY	N.A.	Cytology, Urinary	Electrochemistry / Microscopy	Urine
	N.A.	PAP Test (conventional)	Microscopy	Smear
	N.A.	Thin Prep PAP Test	Electrochemistry / Microscopy	Liquid preparation

Notes

ISO 15189:2012: Medical laboratories — Requirements for quality and competence

POV-ASB: Accreditation Program Overview

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

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